

What is claimed is:

1. A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the method comprising the steps of:

selecting a log deleting management database from a menu;
inputting a password;
displaying types of the log deleting management database if the input password is correct; and
recording at least one of a new telephone number, a method of dialing the new telephone number, and a method of recording the new telephone number when the new telephone number record is selected from the log deleting management database.

2. The method according to claim 1, wherein said dialing method determines whether a telephone number stored in said log deleting management database and a caller's name should be revealed to the recipient of the call when the number is dialed.

3. The method according to claim 1, wherein said recording method determines whether a telephone number stored in said log deleting management database, if received, should be recorded in a secret received number list.

4. The method according to claim 1, further comprising:
displaying a list of telephone numbers stored in the log deleting management database when a telephone number list is selected from the log deleting management database; and

while the list of telephone numbers stored in the log deleting management database is displayed, additionally perform at least one of recording the new telephone number, recording a method of dialing the new telephone number,

recording a method of recording the new telephone number when a new record is selected, deleting a selected telephone number when a deletion option is selected, and correcting a selected telephone number when a correction option is selected.

5. The method according to claim 1, further comprising:
 - displaying a message "no telephone number recorded" if the input password is incorrect.
6. A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:
 - determining whether a telephone number received with a voice call is stored in a phonebook;
 - displaying said received telephone number on a display section of said mobile telephone;
 - detecting telephone numbers stored in a log deleting management database;
 - determining whether said received telephone number is included in the telephone numbers stored in the log deleting management database;
 - recording said received telephone number in a recently received number list and then performing a communication function, if the received telephone number is not present in the log deleting management database;
 - searching for a method of recording said number, if said number is present in the log deleting management database;
 - recording said number in a secret received number list; and
 - performing a communication function, if the method of recording said number is for recording in the secret received number list.
7. The method according to claim 6 wherein the step of reading telephone numbers stored in said secret received number list further comprises the steps of:
 - selecting a secret received number list from the log deleting management database;

5. The method according to claim 1, further comprising:
 - displaying a message "no telephone number recorded" if the input password is incorrect.
6. A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:
 - determining whether a telephone number received with a voice call is stored in a phonebook;
 - displaying said received telephone number on a display section of said mobile telephone;
 - detecting telephone numbers stored in a log deleting management database;
 - determining whether said received telephone number is included in the telephone numbers stored in the log deleting management database;
 - recording said received telephone number in a recently received number list and then performing a communication function, if the received telephone number is not present in the log deleting management database;
 - searching for a method of recording said number, if said number is present in the log deleting management database;
 - recording said number in a secret received number list; and
 - performing a communication function, if the method of recording said number is for recording in the secret received number list.
7. The method according to claim 6 wherein the step of reading telephone numbers stored in said secret received number list further comprises the steps of:
 - selecting a secret received number list from the log deleting management database;

inputting a password; and
displaying at least one of telephone numbers stored in said secret received number list if the input password is correct, and a “no call” message if the input password is incorrect.

8. The method according to claim 7, wherein at least one message can be stored and selected by a user to be displayed when said input password is not correct.

9. The method according to claim 6, wherein said received number is not recorded in the secret received number list when a communication function is performed, if the method of recording said number is not to record in the secret received number list.

10. The method according to claim 6, wherein said received number and the caller’s name are displayed on the display section, if said received number is detected in the phonebook of the mobile phone.

11. A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:

inputting a telephone number;
pressing a “send” key on the mobile phone;
determining whether said input telephone number is present in a phonebook of the mobile phone;
displaying said input telephone number on a display section of said mobile phone;
detecting telephone numbers stored in a log deleting management database;
determining whether said input telephone number is included in the telephone numbers stored in the log deleting management database;

recording said input telephone number, if said input telephone number is not present in the log deleting management database, in a recently dialed number list;

performing a dialing function;

searching for a method of dialing said number, if said input telephone number is present in the log deleting management database; and

performing a dialing function while concealing said input telephone number and a caller's name, if the method of dialing said number is caller concealment.

12. The method according to claim 11, wherein said input telephone number and the caller name are displayed when a dialing function is performed, if the chosen method of dialing said input telephone number is to display the caller.

13. The method according to claim 11, wherein said input telephone number and the caller name are displayed on the display section, if said input telephone number is detected in the phonebook of the mobile phone.

14. A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:

receiving a message;

parsing the received message and a received telephone number;

determining whether the received telephone number of the received message is present in a phonebook of the mobile phone;

displaying the received message and received telephone number on a display section of said mobile phone;

reading telephone numbers stored in a log deleting management database;

determining whether said telephone number of the received message is included in the telephone numbers stored in the log deleting management database;

recording the received message and telephone number in a received message list;

performing any next function if said telephone number is not present in the log deleting management database;

determining whether the received message and telephone number should be recorded in a secret received message list if said telephone number is present in the log deleting management database;

recording the received message and telephone number in the secret received message list; and

performing any next function if said received message and telephone number are determined to be recorded in the secret received message list.

15. The method according to claim 14, wherein said received message and telephone number and the caller's name are displayed on the display section, if said received telephone number is detected in the phonebook of the mobile phone.

16. The method according to claim 14, wherein said received message and telephone number are not recorded in the secret received message list when any next function is performed, if said received message and telephone number are determined not to be recorded in the secret received message list.

17. A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, which comprises the steps of:

inputting a message and a telephone number and sending said input message and telephone number;

reading telephone numbers stored in a log deleting management database;

determining whether said sent telephone number is included in the telephone numbers stored in the log deleting management database;

recording said sent message and said sent telephone number in a sent message list;

performing a message sending function if said sent telephone number is not present in the log deleting management database;

determining whether said sent message and said telephone number should be recorded in a secret sent message list if said sent telephone number is present in the log deleting management database; recording said sent message and said sent telephone number in the secret sent message list, if said sent telephone number is present in the log deleting management database; and

performing a message sending function for said sent message and sent telephone number.

18. The method according to claim 17, wherein said sent message and sent telephone number and the caller's name are displayed on the display section, if said sent telephone number is detected in the phonebook of the mobile phone.

19. The method according to claim 17, wherein said sent message and sent telephone number are not recorded in the secret sent message list when a message sending function is performed, if said sent message and sent number are determined not to be recorded in the secret sent message list.

20. A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:

a first mobile telephone and a second mobile phone; and

said first mobile phone being adapted to perform the following operations:

select a log deleting management database from a menu;

input a password;

display types of the log deleting management database if the input password is correct; and

record at least one of a new telephone number, a method of dialing the new telephone number, and a method of recording the new telephone number when the new telephone number record is selected from the log deleting management database.

21. The system according to claim 20, wherein said first mobile telephone is further adapted to determine whether a telephone number stored in said log deleting management database and a caller's name should be revealed to the recipient of the call when the telephone number is dialed.

22. The system according to claim 20, wherein said first mobile telephone is further adapted to determine whether a telephone number stored in said log deleting management database, if received, should be recorded in a secret received number list.

23. The system according to claim 20, wherein said first mobile telephone is further adapted to display a list of telephone numbers stored in the log deleting management database when a telephone number list is selected from the log deleting management database; and

while the list of telephone numbers stored in the log deleting management database is displayed, additionally perform at least one of recording the new telephone number, recording a method of dialing the new telephone number, recording a method of recording the new telephone number when a new record is selected, deleting a selected telephone number when a deletion option is selected, and correcting a selected telephone number when a correction option is selected.

24. The system according to claim 20, wherein said first mobile telephone is further adapted to display a message "no telephone number recorded" if the input password is incorrect.

25. A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:
a first mobile telephone and a second mobile phone; and

said second mobile phone being adapted to perform the following operations:
 determine whether a telephone number received with a voice call is from said
 first mobile phone is stored in a phonebook;
 display said received telephone number on a display section of said second
 mobile phone;
 detect telephone numbers stored in a log deleting management database;
 determine whether said received telephone number is included in the
 telephone numbers stored in the log deleting management database;
 record said received telephone number in a recently received number list and
 then performing a communication function, if the received telephone number is not
 present in the log deleting management database;
 search for a method of recording said number, if said number is present in the
 log deleting management database;
 record said number in a secret received number list; and
 perform a communication function, if the method of recording said number is
 for recording in the secret received number list.

26. The system according to claim 25, wherein said second mobile telephone
is further adapted to perform the following operations:

 select a secret received number list from the log deleting management
 database;
 input a password; and
 display at least one of telephone numbers stored in said secret received
 number list if the input password is correct, and a “no call” message if the input
 password is incorrect.

27. The system according to claim 25, wherein said second mobile telephone
is further adapted to store at least one message selected by a user to be displayed
when said input password is not correct.

28. The system according to claim 25, wherein said second mobile telephone is further adapted to not record said received number in the secret received number list when a communication function is performed, if the method of recording said number is not to record in the secret received number list.

29. The system according to claim 25, wherein said second mobile telephone is further adapted to display said received number and the caller's name on the display section, if said received number is detected in the phonebook of the mobile phone.

30. A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:

an input, adapted to input a telephone number and activate a "send" key on the mobile phone; and

a controller, adapted to perform the following operations:

determine whether said input telephone number is present in a phonebook of the mobile phone;

display said input telephone number on a display section of said mobile phone;

detect telephone numbers stored in a log deleting management database;

determine whether said input telephone number is included in the telephone numbers stored in the log deleting management database;

record said input telephone number, if said input telephone number is not present in the log deleting management database, in a recently dialed number list;

perform a dialing function;

search for a method of dialing said number, if said input telephone number is present in the log deleting management database; and

perform a dialing function while concealing said input telephone number and a caller's name, if the method of dialing said number is caller concealment.

31. The system according to claim 30, wherein said controller is further adapted to display said input telephone number and the caller's name when a dialing function is performed, if the chosen method of dialing said input telephone number is to display the caller name.

32. The system according to claim 30, wherein said controller is further adapted to display said input telephone number and the caller name if said input telephone number is detected in the phonebook of the mobile phone.

33. A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:
a first mobile telephone and a second mobile telephone; and
said second mobile phone being adapted to perform the following operations:
receive a message from said first mobile telephone;
parse the received message and a received telephone number;
determine whether the received telephone number of the received message is present in a phonebook of said second mobile telephone;
display the received message and received telephone number on a display section of said second mobile telephone;
read telephone numbers stored in a log deleting management database;
determine whether the received telephone number of the received message is present in a phonebook of the second mobile telephone;
display the received message and received telephone number on a display section of said second mobile telephone;
read telephone numbers stored in a log deleting management database;
determine whether said telephone number of the received message is included in the telephone numbers stored in the log deleting management database;
record the received message and telephone number in a received message list;

perform any next function if said telephone number is not present in the log deleting management database;

determine whether the received message and telephone number should be recorded in a secret received message list if said telephone number is present in the log deleting management database;

record the received message and telephone number in the secret received message list; and

perform any next function if said received message and telephone number are determined to be recorded in the secret received message list.

34. The system according to claim 33, wherein said second mobile telephone is further adapted to display said received message, telephone number and the caller's name when a dialing function is performed, if said received telephone number is detected in the phonebook of the mobile phone.

35. The system according to claim 33, wherein said second mobile telephone is further adapted to not record said received message and telephone number recorded in the secret received message list when any next function is performed, if said received message and telephone number are determined not to be recorded in the secret received message list.

36. A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:

a first mobile telephone and a second mobile phone; and

said first mobile phone being adapted to perform the following operations:

input a message and a telephone number;

send said input message and telephone number to said second mobile phone;

read telephone numbers stored in a log deleting management database;

determine whether said sent telephone number is included in the telephone numbers stored in the log deleting management database;

record said sent message and said sent telephone number in a sent message list;

perform a message sending function if said sent telephone number is not present in the log deleting management database;

determine whether said sent message and said telephone number should be recorded in a secret sent message list if said sent telephone number is present in the log deleting management database;

record said sent message and said sent telephone number in the secret sent message list, if said sent telephone number is present in the log deleting management database; and

perform a message sending function for said sent message and sent telephone number.

37. The system according to claim 36, wherein said first mobile telephone being further adapted to display said sent message, sent telephone number and the caller's name, if said sent telephone number is detected in the phonebook of the mobile phone.

38. The system according to claim 36, wherein said first mobile telephone being further adapted to not record said sent message and sent telephone number in the secret sent message list when a message sending function is performed, if said sent message and sent number are determined not to be recorded in the secret sent message list.

39. A method of automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the method comprising the steps of:

inputting a phone number into a log deleting database of a telephone directory;

storing the input phone number in the log deleting database;

determining whether the input phone number is detected in an incoming or outgoing phone call; and

preventing the input phone number from being displayed for the incoming or outgoing phone call.

40. The method according to claim 39, further comprising:

selectively deleting the input phone number from a general call log or received number list if the input phone number is detected in the incoming or outgoing phone call.

41. The method according to claim 40, further comprising:

displaying a “no caller information” in the general call log or received number list if the input phone number is detected in the incoming or outgoing phone call.

42. The method according to claim 39, further comprising:

receiving voice mail associated with the input number in a private voice mailbox, the private voice mailbox being separate from the general mailbox.

43. The method according to claim 42, further comprising:

displaying a “no information” message when the voice mail is attempted to be retrieved from the general mailbox.

44. The method according to claim 39, further comprising:

associating at least one of a picture icon and distinctive ring with the input number detected in the incoming phone call.

45. The method according to claim 39, wherein the phone number is input using a keypad or a phonebook.

46. A system for automatically deleting logged calls and messages in a mobile phone, in order to maintain security and protect privacy, the system comprising:

a first mobile phone and a second mobile phone; and

the second mobile phone being adapted to perform the following operations:

input a phone number into a log deleting management database of a telephone directory;

store the input phone number in the log deleting management database;

determine whether the input phone number is detected in an incoming phone call from the first mobile phone or an outgoing phone call to the first mobile phone; and

prevent the input phone number from being displayed for the incoming or outgoing phone call.

47. The system according to claim 46, wherein the second mobile phone is further adapted to perform the following operation:

selectively delete the input phone number from a general call log or received number list if the input phone number is detected in the incoming or outgoing phone call.

48. The system according to claim 47, wherein the second mobile phone is further adapted to perform the following operation:

display a “no caller information” in the general call log or received number list if the input phone number is detected in the incoming or outgoing phone call.

49. The system according to claim 46, wherein the second mobile phone is further adapted to perform the following operation:

receive voice mail associated with the input number in a private voice mailbox, the private voice mailbox being separate from the general mailbox.

50. The system according to claim 49, wherein the second mobile phone is further adapted to perform the following operation:

display a “no information” message when the voice mail is attempted to be retrieved from the general mailbox.

51. The system according to claim 46, wherein the second mobile phone is further adapted to perform the following operation:

associate at least one of a picture icon and distinctive ring with the input number detected in the incoming phone call.

52. The system according to claim 46, wherein the phone number is input in the second mobile phone a keypad or a phonebook.